

Fig.1.

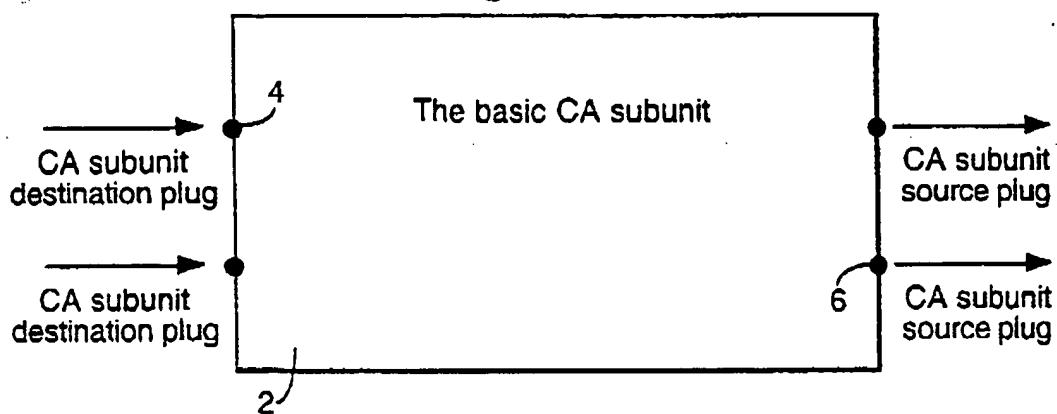


Fig.2.

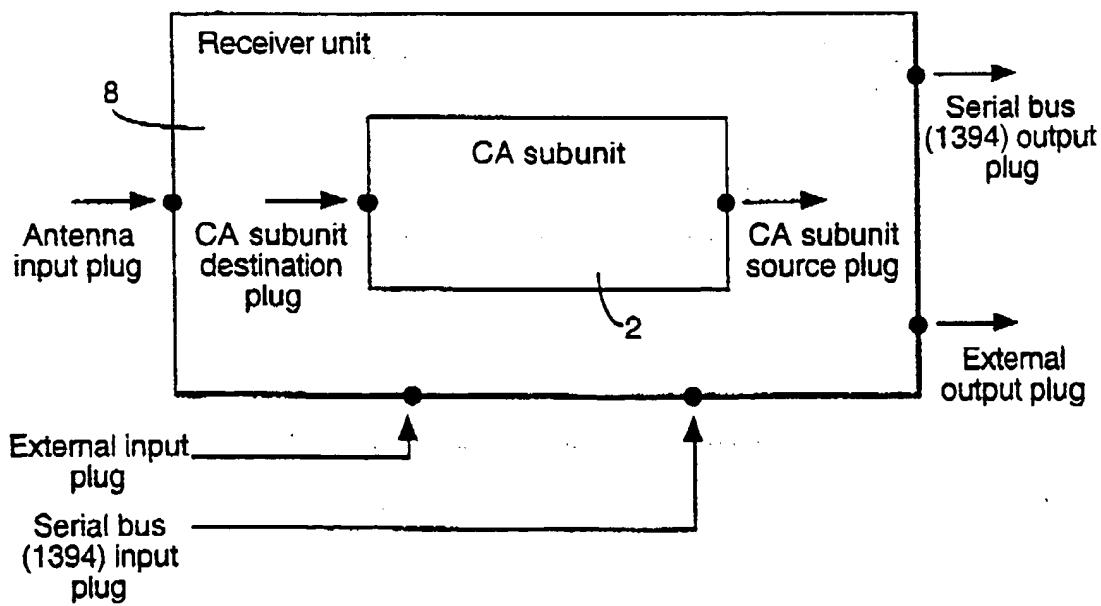


Fig.3.

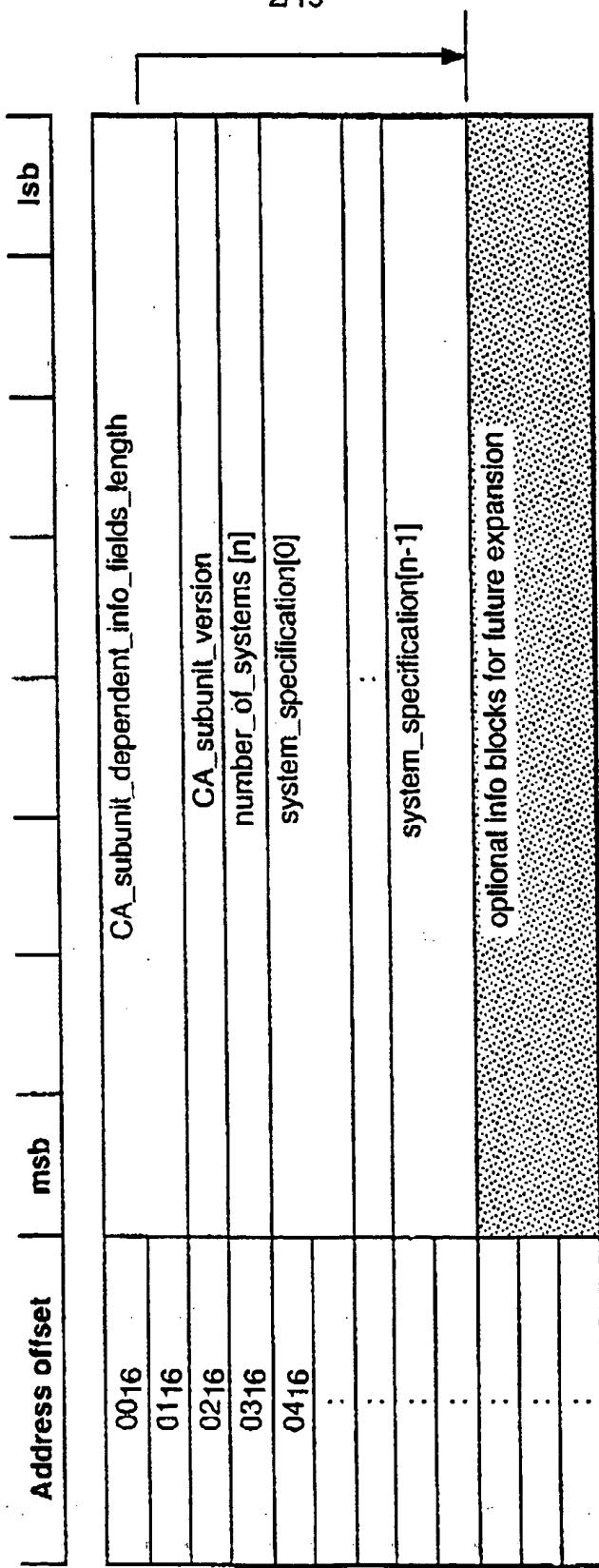


Fig. 4.

Address offset	msb	lsb
0016		specification_length
0116		system_id
0216		implementation_profile_id
0316		number_of_CA_system_ids(m)
0416		CA_system_id_length[0]
0516		CA_system_id[0]
...	...	...
		CA_system_id_length[m-1]
		CA_system_id[m-1]

Fig.5(a).

Address offset msb lsb

descriptor_length	general_CA_subunit_status_info_block	source_plug_status_area_info_block
00 0016		
00 0116		
00 0216	:	
	..	
	..	..
	..	..

**Fig. 5(b)**

Address offset	msb	lsb
00 0016		compound_length
00 0116		
00 0216	info_block_type=90 0016(general_CA_subunit_status_area_info_block)	
00 0316		
00 0416	primary_field_length	
00 0516		
00 0616	reserved	available_bandwidth_upper
00 0716		available_bandwidth_lower
00 0816		

Fig.5(c).

Address offset	msb				lsb
0016					
0116					
0216		info_block_type=90 0116(source_plug_status_area_info_block)			
0316					
0416		primary_fields_length			
0516					
0616		number_of_source_plugs (n)			
0716		nested plug_status_info_block structures			
			...	...	

Fig. 5(d).

Address offset	msb					lsb
00 0016		compound_length				
00 0116		info_block_type=90 0216(plug_status_info_block)				
00 0216			primary_fields_length			
00 0316				source_plug		
00 0416				destination_plug		
00 0516					status	
00 0616						
00 0716						
00 0816						

**Fig.6.**

Opcode	Value	ctype			Comments
		C	S	N	
CA_ENABLE	CC16	✓	✓	✓	Used to instruct the CA subunit to begin descrambling the service defined in the broadcast specific data
CA_ENTITLEMENT	CD16	—	✓	✓	Used to allow a controller to query the CA subunit to determine whether the user has entitlement for a specified service
SECURITY	OF16	✓	✓	✓	Used for validation purposes between a controller and the CA subunit

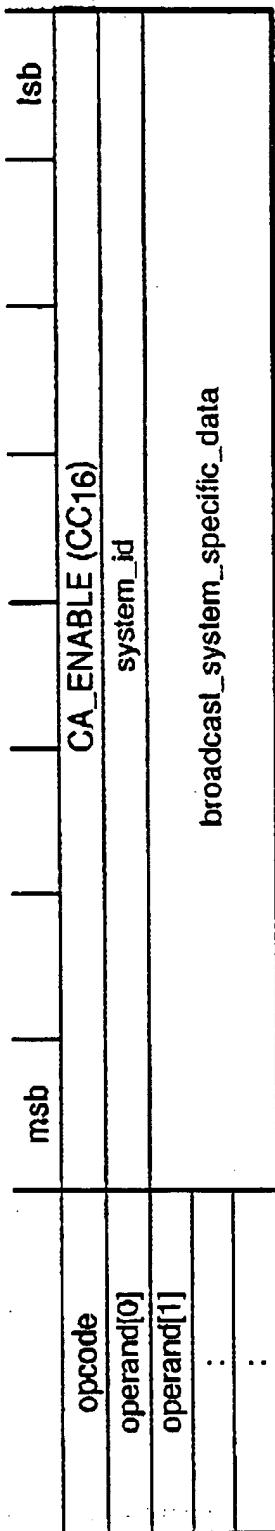
**Fig.7(a).**

Fig.7(b).

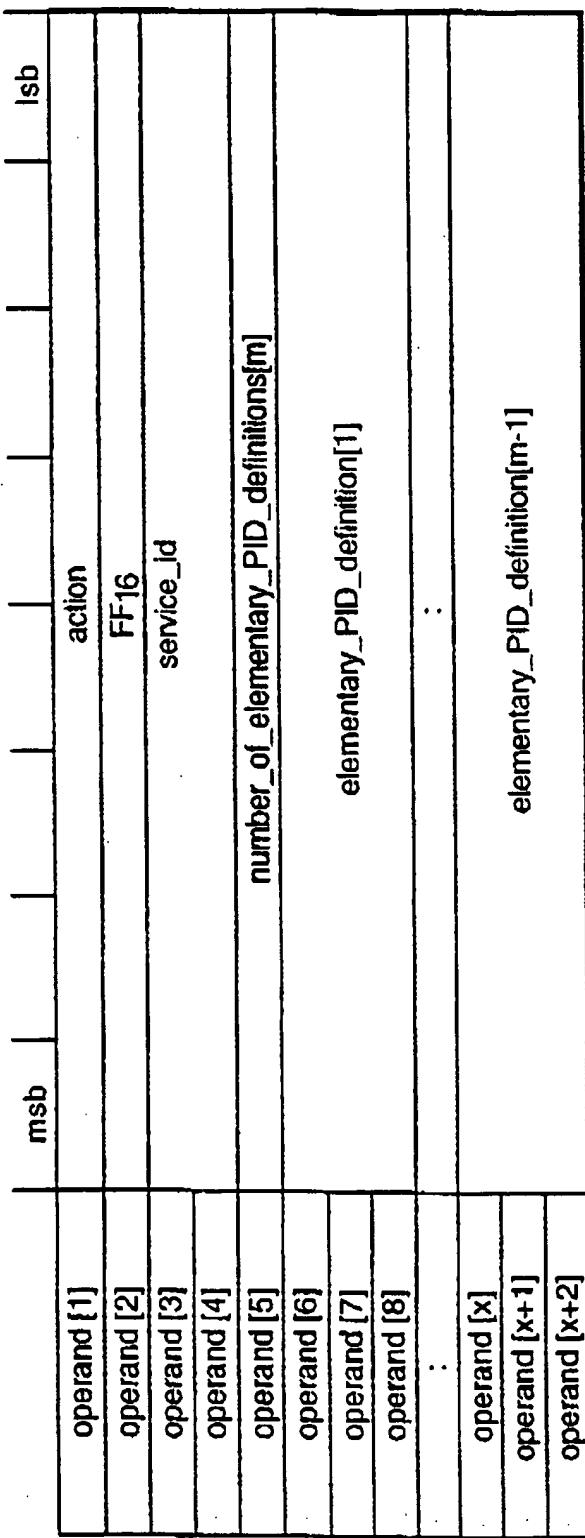
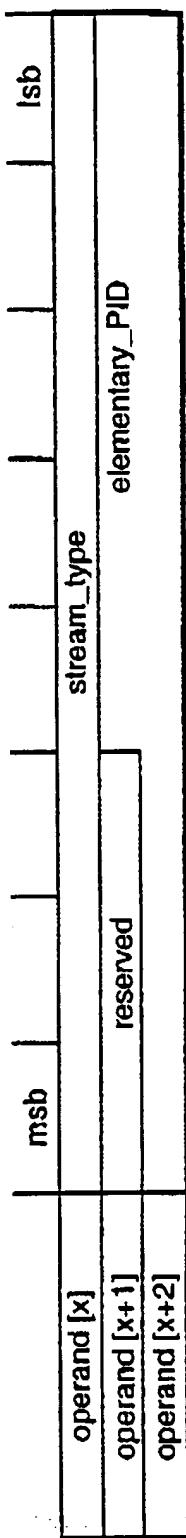


Fig.7(c).



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Fig.8(a).

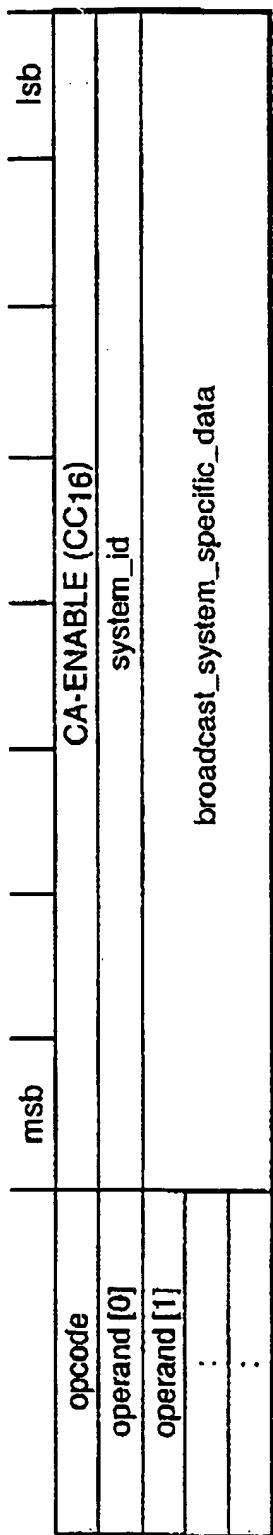


Fig.8(b).

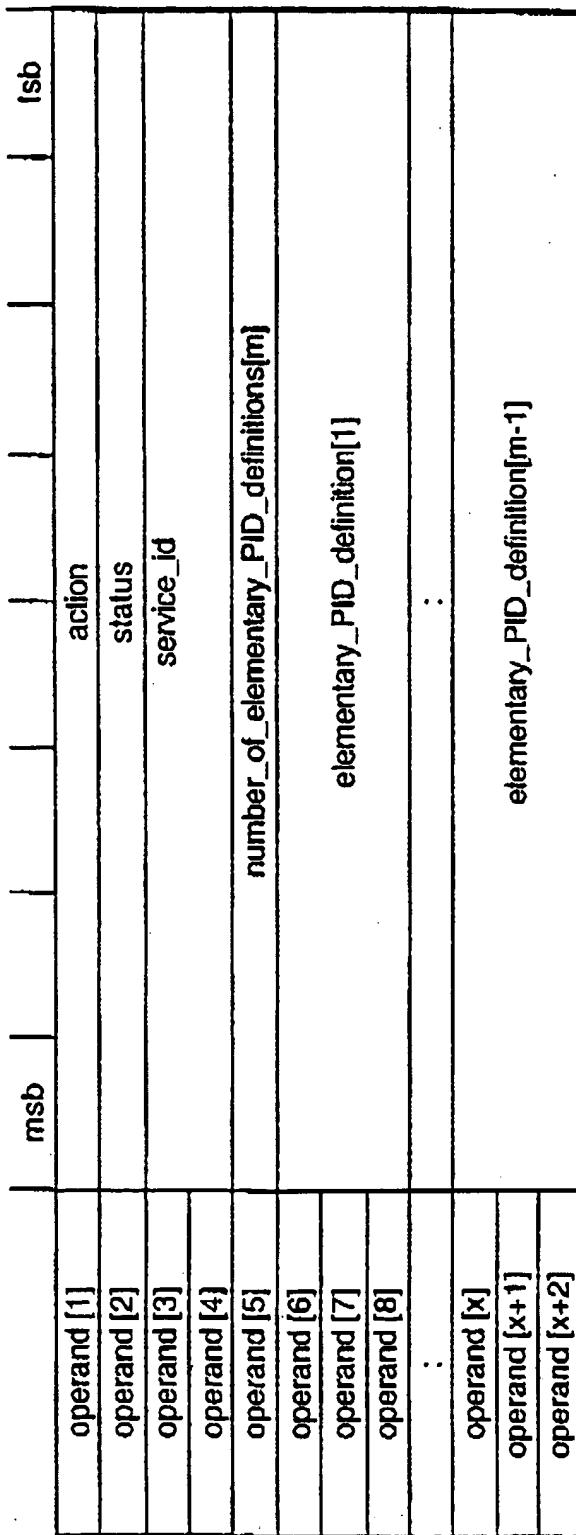
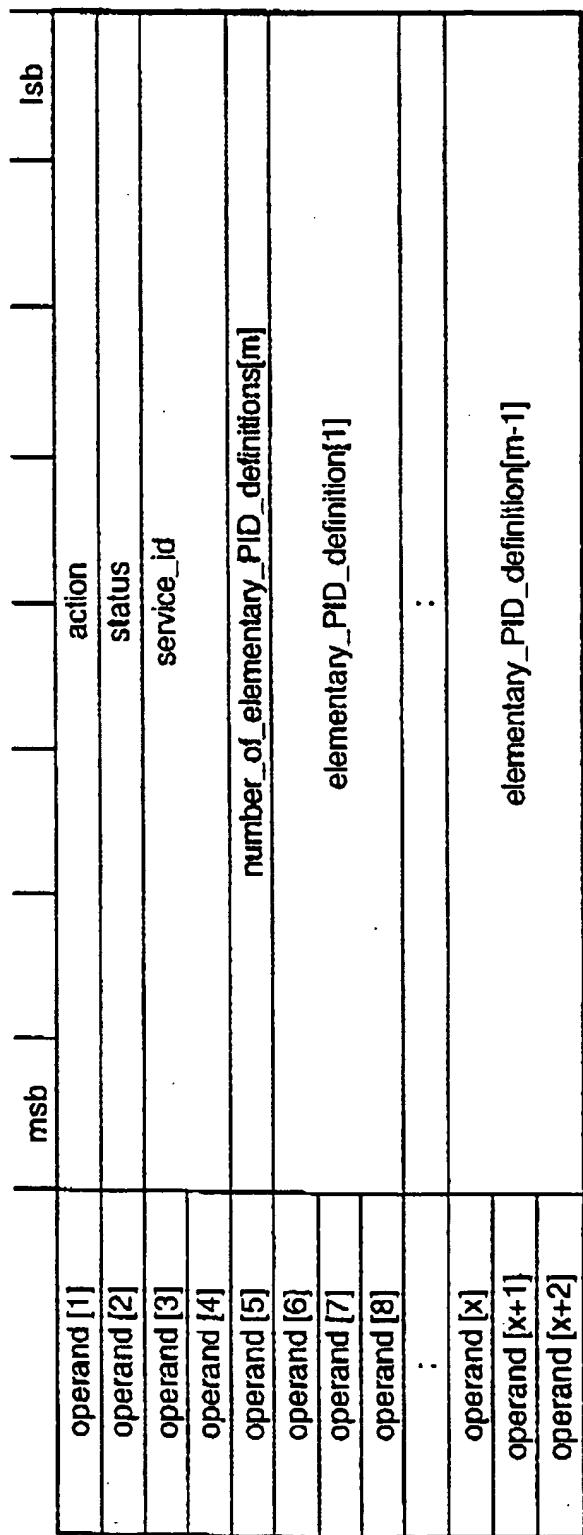


Fig.9.

	msb						lsb
operand [1]							
operand [2]							
operand [3]							
operand [4]							
operand [5]							
operand [6]							
operand [7]							
operand [8]							
operand [x]							
operand [x+1]							
operand [x+2]							

Fig.10.



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Fig. 11(a).

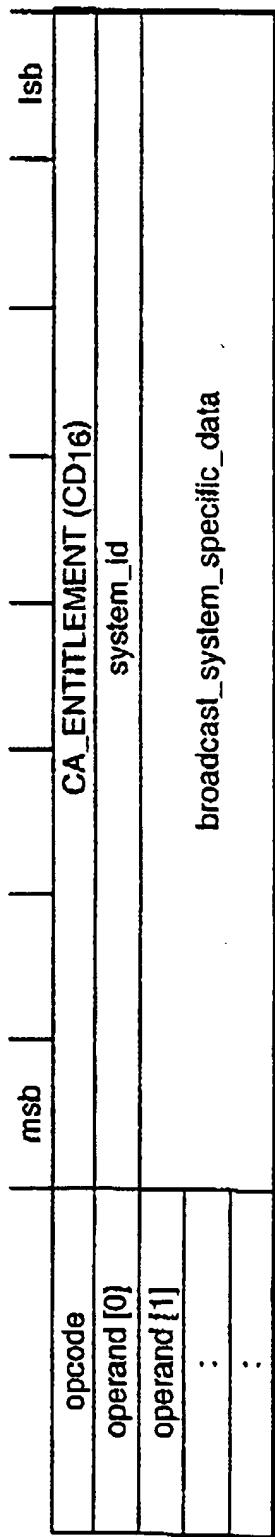


Fig. 11(b).

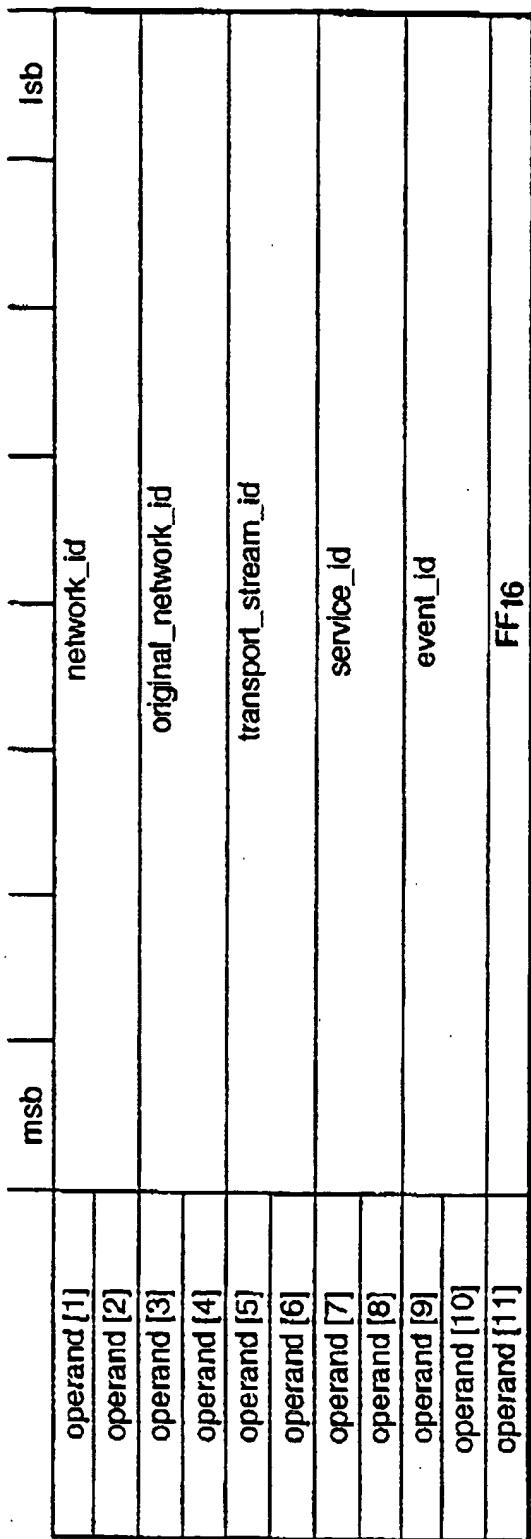


Fig. 12(a).

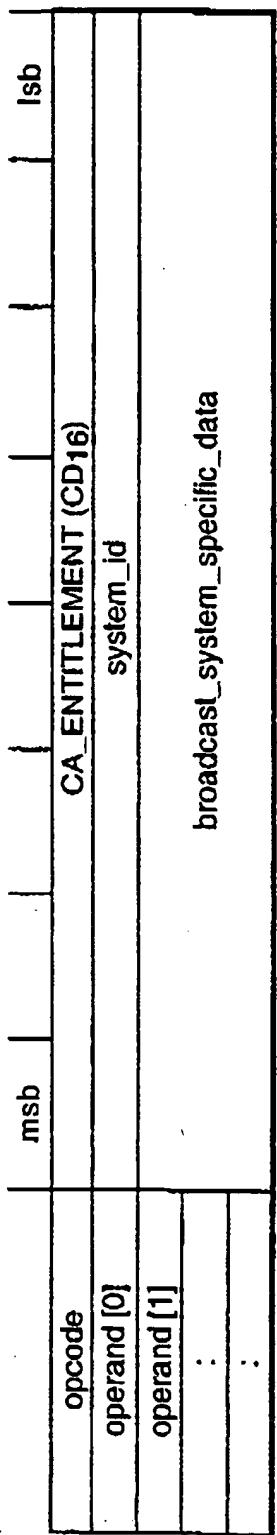


Fig. 12(b).

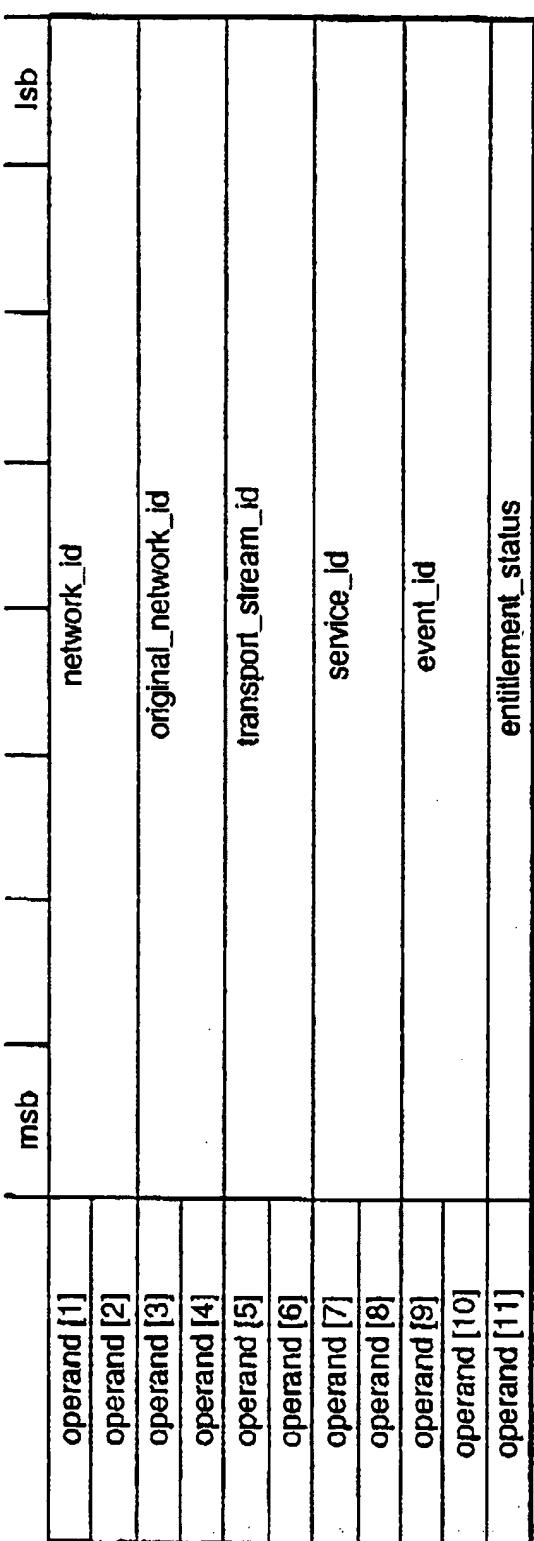


Fig.13.

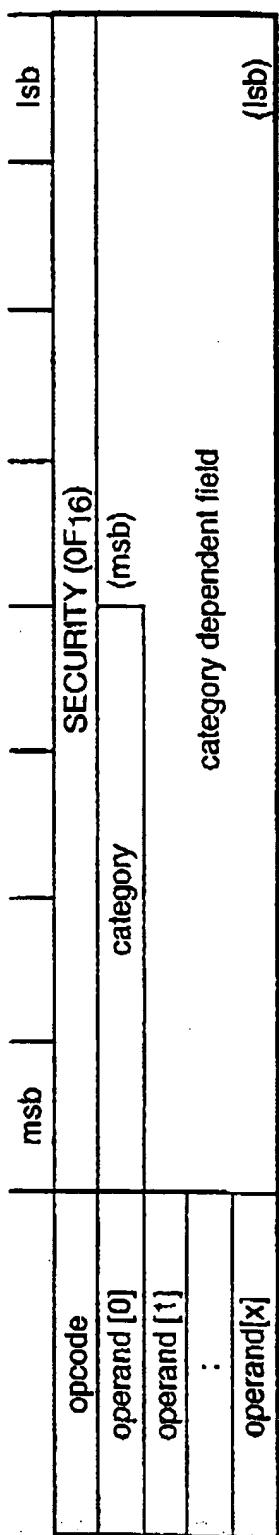


Fig.15.

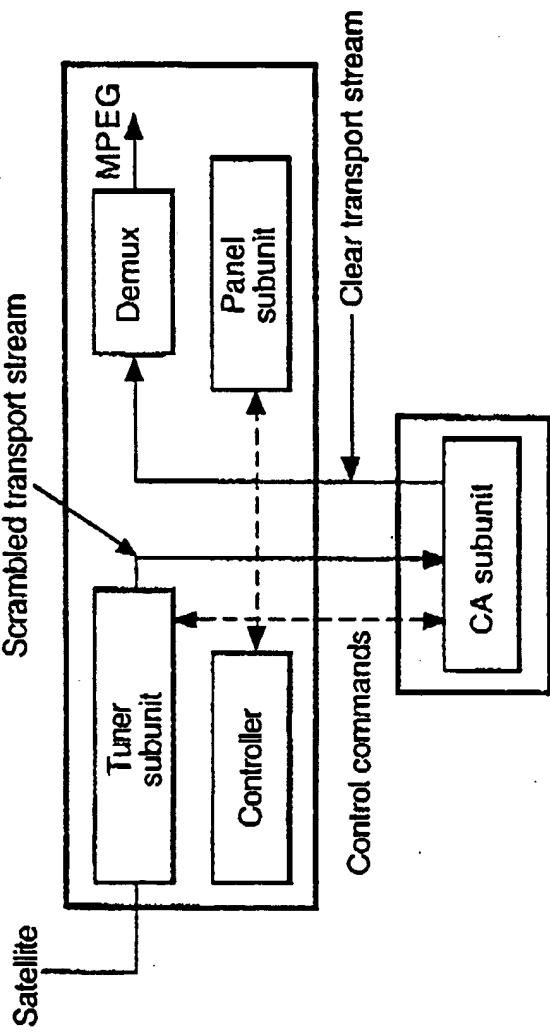


Fig. 14.

